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## HIGH SIGNAL LIGHTS FOR AUTOMOTIVE VEHICLES

### **Abstract.**

A device for an automotive vehicle to signal braking, deceleration, turning of the vehicle or an emergency situation. The device has two bodies facing rearwardly, mounted near the top of the back or the highest point of the vehicle adjacent the sides of the vehicle. Each body has a base and a cover with translucent lenses. Light sources and reflectors are disposed on the base for illuminating the lenses to create the signaling as required. Lighting one or more lenses in the cover indicate braking while lighting an arrow shaped lens in the cover and a side lens facing out from the vehicle indicate intended turning. The light transmitted through the lenses in the cover is directed downwardly either by a downward tilt to the cover or by directional configurations formed on the lenses. The lenses signifying braking are formed from red material while the arrow shaped and side lenses signifying turning are formed from red or yellow material. The device can be powered directly from the vehicle's electrical system or from a separate back-up battery that can be trickle charged as the vehicle is operating. A deceleration sensor such as a piezo electric crystal also operates the braking signals. An auxiliary switch near the back of the vehicle activates the turn indicators to operate in an intermittent emergency mode.

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